

## BILL OF QUANTITY

1	<i>Name of the work</i>	Renovation of Existing Window and Painting of X-Ray area and Ultra Sound area in Deptt. of Radiology at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs..2,59,110/-
3	<i>Cost of BOQ</i>	Rs. 750/-
4	<i>Earnest Money Deposited</i>	Rs. 5185/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	09 .04.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. complete	Sqm	1405.00	5.4
2	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	1,405.00	20.20
3	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	1,405.00	26.10
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm .	281.00	76.40
5	Providing and fixing flush door shulter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm .	5.04	2,750.92
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shadeTwo or more coats on new work	Sqm	196.00	50.90

7	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing For fixed portion and panelling to be paid for separately)	Kg	36.58	354.80
8	Providing and fixing 12 mm thick pre-laminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaldhyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. 24.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination of other side	Sqm	3.99	1,055.50
9	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item.) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg/sqm)	sqm	5.14	1,013.20
10	Providing and fixing aluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:	Each	1.00	184.90

11	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	39.65	2959.00
12	Providing and fixing alluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
A	300x10 mm	Each	2.00	114.10
B	150x10 mm	Each	2.00	66.00
13	Providing and fixing alluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	1.00	55.80
16	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	1.00	82.70
17	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete	Each	1.00	756.10

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

## BILL OF QUANTITY

1	<i>Name of the work</i>	Miscellaneous Work under Repair & Maintenance for Different Location at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs.6,89,655/-
3	<i>Cost of BOQ</i>	Rs. 1250/-
4	<i>Earnest Money Deposited</i>	Rs. 13,795/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	09 .04.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

S.N.	Description of work	Unit	Qty.	Rate
<b>'A'</b>	<b>Medical College old Hospital Building</b>			
1	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm	139.0	163.60
2	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	230.0	4.80
3	Distemping with oil bound washa ble distemper of approved brand and manufacture to give an even shade . New work (two or more coats ) over and including priming coat with cement primer	Sqm	227.4	52.70
4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	148.0	69.60
5	Providing and fixing flush door shulter of centuary board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, I-drope, twoer bold etc as per specification of E/S.	Sqm	16.2	2750.00
6	Applying priming coat on Wood work With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	Sqm	36.3	20.50
7	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:New wood work (two or more coats)	Sqm	36.3	55.20

'B'	<b>Construction of Platform, PCC work , water Tank and allied works of Director Bunglow at IGIMS, Patna</b>			
1	Brick work with bricks of class designation 100A in foundations and plinth in :	CUM	8.6	3914.60
2	Extra for Brick work in superstructure above plinth level up to floor V cum	Cum	3.0	378.80
3	Half brick masonry with bricks of class designation 100A in foundations and plinth in :	Sqm	28.0	481.20
4	Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	6.0	41.40
5	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	Cum	67.0	178.40
6	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Cum	25.0	186.30
7	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm	192.0	212.90
8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level.1:1.5:3 (1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	41.3	3736.30
9	Centring and shuttering including strutting, propping etc. and removal of form for.Lintels, beams, plinth beams, girders, ressumers and cantilevers.	Sqm	14.6	195.60
10	Cement plaster in course sand 12 mm cement plaster of mix:13.11.1 1:3 (1 cement:3 coarse sand	Sqm	86.0	102.30
11	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places	Sqm	2.5	2645.70

12	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all complete Fixed to steel windows by welding	Kg	537.0	83.90
13	Providing asbestos cement 6 mm thick corrugated sheets roofing and fixing with G.I. J or L hooks bolts and nuts 8 mm dia G. I. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses corrugated sheet. upto 60 degree pitch	Sqm	26.4	307.80
14	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	16.5	615.35
15	Providing and fixing pressed steel door conforming IS code 351 manufactured from commerical mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50 x 25 mm or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by . mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:	kg	350.0	83.40
16	Providing and fixing 20mm thick mirror polished,machine cut for kitchen platforms, vanity counters faciasand similar locatins of required size of approved shade,colour and texture laid over 20 mm thick base cementmortar 1:4 (1 cement :4 coarse sand) with joints treatedwith white cement, mixe* with matching pigament-epoxytouch ups. including rubbing, curing etx. complete at allbevels.Granite black Area of each slab over 0.2 sqm but upto 0.5sqm Granite of any colour and shade	Sqm	1.5	2762.20
17	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltr	1000.0	6.30
18	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	Sqm	27.7	16.40
19	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:New steel work (two or more coats)	Sqm	27.7	55.20

20	Applying one coat of cement primer of approved brand and manufacture on wall surface: 13.78.1 Cement primer	Sqm	108.4	22.10
21	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade 13.79.1 New work (three or more coats)	Sqm	44.6	51.70
22	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : 13.47.1 New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm	63.7	90.00
23	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 18.10.5 40 mm dia nominal bore.	Rmt	6.6	413.25
24	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :			
a	40 mm nominal bore	Each	5.0	482.95
b	iii) 15 mm dia union	Each	2.0	331.95
25	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	Each	1.0	584.20
26	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	Each	2.0	458.40
27	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such shades except white , Ivory, Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	Each	12.0	922.00
28	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-10mm dia.	Each	24.0	65.70
29	Thermo-Mechanically Treated bars TMTC-500- 8mm dia.	Each	19.4	67.00
30	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position Sal woodcum	Cum	0.3	71075.10
31	Carriage of Material			
	Coarse sand	Cum	23.0	545.80
	Stone Aggregate	Cum	42.0	1593.64
	Local sand	Cum	25.0	162.76
	Bricks	%o	4.0	476.50
	Difference Cost of Bricks	%o	4.0	1088.90

'C'	<b>Repairing and painting foot path's front walls allied work at different places at I.G.I.M.S. Patna-14.</b>			
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	24.0	10.30
2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead. 14.1.2 With cement mortar 1:4(1 cement:4 coarse sand)	Sqm	24.0	135.60
3	Applying one coat of cement primer of approved brand and manufacture on wall surface: 13.78.1 Distemper Primer	Sqm	430.0	23.20
4	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade 13.79.1 New work (three or more coats)	Sqm	430.0	51.70
5	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: 13.94.1 Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	270.0	64.80
6	Applying priming coat: With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	72.0	16.40
7	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: 13.82.1 New steel work (two or more coats)	sqm	72.0	55.20
8	Carriage of Material			
	Coarse sand	cum	0.5	545.80
'D'	<b>Construction of Barrier at the Jn of M.D.H West side road road towards Medical College Bldg at I.G.I.M.S. Patna</b>			
1	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8.1 All Kinds of soil	Cum	2.0	178.40
2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Cum	2.0	186.30



3	Providing designation 100 A one brick flat soling joints filled with localsand including cost of watering, taxes, royalty all complete as perbuilding specification and direction of E/I,	Sqm	5.0	212.90
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level.1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	Cum	0.5	3270.00
5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level 1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	0.6	3736.30
6	Centring & Shuttering in cluding strutting, propping etc.Foundations, footings, bases Columns	Sqm	10.0	137.80
7	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.50 mm dia nominal bore	Rm	6.8	392.50
8	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all complete 9.82.1 Fixed to steel windows by welding	Kg	22.2	83.90
9	Applying priming coat: With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	Sqm	9.4	16.40
10	Extra Cost for Carriage of material			
a	Local Sand	Cum	0.5	162.76
b	Coarse sand	Cum	0.4	545.80
c	Stone Aggregate	Cum	0.6	1593.64

Quoted Rates:

- a- .....% above  
b- .....% below  
c- .....at estimated cost.

NOTE:- Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....  
2- Full postal address :-  
3- Earnest money deposited :-  
4- Registration No. :-  
5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14**  
**BILL OF QUANTITY**

1	<i>Name of the work</i>	Civil Work for Modernization/Up gradation of Passage of, 1 <sup>st</sup> Floor Administrative Wing & four rooms at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 9,70,269/-
3	<i>Cost of BOQ</i>	Rs. 1250/-
4	<i>Earnest Money Deposited</i>	Rs. 19,405/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	09-04-2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

S.N.	Description of Items	Unit	Qty.	Rate(Rs)
	<b>Schedule Items.</b>			
1	Supply and fixing at all height false ceiling of 12.5 mm thick - tapered edge gypsum board conforming to IS : 2095 including - providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with zinc coating 600 as per IS : 277 and consisting of angle cleats of size 25 mm wide x 16 mm thick with flanges of 22 mm and 27 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia x 40 mm long with 6 mm dia bots to the angle hangers of 25x25x5 mm of required length, and other end of angle hanger being fixed with nut and bots to rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be be fixed in a direction perpendicular to G. I. channel with connecting clips made out of 2.64 mm dia x 230 mm long G. I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long . the perimeter of ceiling fixed to wall / partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long dirve-all screws @ 230 mm interval including jointing and fixing to a flush of tapered and square edges of the gypsum board with recommended filler., paper tapes, finisher and two coats of primer suitable for gypsum board as per manufactures specification and also including the coat cutouts made with frame of perimeter	Sqm	230.83	765.5

	channels suitably fixed all complete as per- drawing and specification and direction of the Engineer-in-Charge inclusive of all other retailed cost incurred i.e. Carriage, Taxes etc. exclusive cost of painting.			
2	Primer with ready mixed approved brand and manufacture.	Sqm	232.23	25.2
3	Finishing wall with textured exterior paint -New work(Two or more coat applied @ 3.28ltr/ 10 sqm) over and inclusive priming coat	Sqm	144.35	122
4	Painting with enamel paint of approved brand and manufacture of required colour: Two or more coat on new work over an under coat of suitable shade of approved colour.	Sqm	144	70.4
5	Providing and fixing panelling or panelling and glazing in panelled of panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thickDecorative plywood both side veneer (Type-I) Conferming to IS 1328	sqm	5.2	1846.70
6	Renewal of old putty of glass panes	m	60.24	13.3

	<b>Non -Schedule Items</b>	Unit	Qty.	Quoted Rate( In Figure)	( In Word)
7	Supply & Making of wall Panelling on wall, door frame ,Shutter on 12 mm green ply inclusive of Pasting wooden laminate,Fixing and all other cost incurred in installation i.e taxes, Carriage etc. As per direction of Engineer In-charge.	Sqm	103.79	.....	
8	Supply & Fixing of Sicus Plant indoor type inclusive of Pot and all other cost incurred in installation i.e taxes, fright charge etc.	Each	25	.....	
9	Supply & installation of Wooden flooring with bidding, where ever required inclusive of foam,Film, and all other related cost incurred in installation i.e. Taxes, fright charge etc.	Sqm	83.2	.....	

Quoted Rate for Schedule Items:-

a- .....% above

b- .....% below

c- .....at estimated cost.

NOTE:- Contractors are requested to quote their rates % above / % below / at estimated rate For Schedule Item (From Sl. No. 1 to 6) and Item wise rate for Non- Schedule Item (From Sl. No. 7 to 9)

- 1- Issued to :
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14**

**BILL OF QUANTITY**

1	<i>Name of the work</i>	Civil Work of Renovation/Interior of Lecture Hall, 1 <sup>st</sup> Floor Admin. Building at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 9,97,192/-
3	<i>Cost of BOQ</i>	Rs. 1250/-
4	<i>Earnest Money Deposited</i>	Rs. 19,945/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	09 .04.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

SL.No.	Description of Items	Unit	Qty.	Rate(Rs)
	<b>Schedule Item</b>			
1	Dismantling tile work in Floors laid in cement mortar including of stacking as per direction of E/I.	Sqm	171.95	25
2	Providing and applying plaster of parish putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	61.44	76.8
3	Primer with ready mixed approved brand and manufacture.	Sqm	337.14	25.2
4	Painting with enamel paint of approved brand and manufacture of required colour: Two or more coat on new work over an under coat of suitable shade of approved colour.	Sqm	512.45	70.4
5	Supply and laying Vitrified floor tiles (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours Bragilia laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc. including of all other related cost incurred i.e. carriage, taxes etc.	Sqm	167.29	1671.9

	<b>Non -Schedule Items</b>	Unit	Qty.	Quoted Rate( In Figure)	( In Word)
6	Supply & Making of wall Panelling on wall, door frame ,Shutter on 12 mm green ply inclusive of Pasting wooden laminate,Fixing and all other cost incurred in installation i.e taxes, Carriage etc. As per direction of	Sqm	99.046		

	Engineer In-charge.				
7	Supply & Fixing of Wall scenery inclusive of Framing and all other cost incurred in installation i.e taxes, fright charge etc. (Size-27" x 27")	Each	8		
8	Supply & installation of Roman Blinds inclusive of Lace, Eyelet ring, aster and all other cost incurred in installation i.e taxes, fright charge etc.	Sqm	10.24		
9	Supply & installation of Curtain inclusive of aster, Sticking and all other cost incurred in installation i.e taxes, fright charge etc.	Sqm	15.4		
10	Supply & installation of Wooden flooring with bidding, where ever required inclusive of foam, Film, and all other related cost incurred in installation i.e. Taxes, fright charge etc.	Sqm	30.29		

Quoted Rate for Schedule Items:-

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:- Contractors are requested to quote their rates % above / % below / at estimated rate For Schedule Item (From Sl. No. 1 to 5) and Item wise rate for Non- Schedule Item (From Sl. No. 6 to 10)

- 1- Issued to :.....
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

BILL OF QUANTITY

1	<i>Name of the work</i>	Wooden Platform Work for two Lecture Theater Room in Existing Medical College Building 1 <sup>st</sup> Floor & 2 <sup>nd</sup> Floor at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. <b>4,02,832/-</b>
3	<i>Cost of BOQ</i>	Rs. 450/-
4	<i>Earnest Money Deposited</i>	Rs. 8060/-
5	<i>Time of Completion</i>	15 Days
6	<i>Last date and time of receipt of tender</i>	09 .04.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate (Rs.)</b>
	<b>CIVIL WORK</b>			
1	Providing wood work in frames of doors,windows, clerestory windows and other frames, wrought framed and fixed in position Sal wood	Cum	4.00	74,774.30
2	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ceiling floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge. 21.7.1 Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) kg 480.25	kg	212.093	489.10

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna



## BILL OF QUANTITY

1	<i>Name of the work</i>	Repair and renovation of Pharmacology Lab, at IGIMS, Patna		
2	<i>Estimated cost</i>	Rs. 4,93,422/-		
3	<i>Cost of BOQ</i>	Rs. 750/-		
4	<i>Earnest Money Deposited</i>	Rs. 9,870/-		
5	<i>Time of Completion</i>	30 Days		
6	<i>Last date and time of receipt of tender</i>	09 .04.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.		
7	<i>Date and time of opening of Tender</i>	10 .04.2015 at 3.30 PM Conference Hall, IGIMS, Patna.		
Sl. No.	Description of Items	Unit	Qty.	Rate (In Rs.)
	CIVIL WORK			
1	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	7	538.3
2	Cement plaster in course sand, 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	16	100.3
3	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers 12 mm cement plaster 1:4(1 cement:3 sand)	Sqm	16.00	6.00
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motor 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	2	754.2
5	<u>FLOORING:</u> P& F flexible PVC Sheet flooring in 2.0 mm sheomess in the size of 2mx20meter area classification 23/34/43. Results from independent testing demonstrate that product inherently inhibits the growth of microbial strain MRSA. It shall be homogeneous single layer and monolayer in construction, and shall be manufactured by calendaring and pressing, to ensu8re a dense & smooth. The flooring shall incorporate a specially formulated polyurethane reinforcement, to give life long polish free maintenance. Homogeneous PVC Vinyl flooring (imported) with total weight 3250 g/m2 polyurethane reinforced 9PUR), Abrasion group: 50.15mm, residual identification approx..01 mm, castor wheel test qualified, dimensional stability EN-434, Static electrical charge < 2kv, impact sound reduction	sqm	67.00	1,730.00

	approx, good resistance of scratch, slip, chemical and fire doesn't's favour in growth of fungi & bacteria, BRE certified class 'A'			
6	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm	287.45	184.50
7	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	Sqm.	10	788.6
8	Providing and fixing anodised aluminium work for doors,windows, ventilator and partitions with extruded built upstandard tubular and other sections of approved makeconforming to IS : 733 and IS : 1285,anodised trasparent ordyed to required shade according to IS : 1868,(Minimumanodic coating of grade AC 15), fixed with.rawl plugs andscrews or with fixing clips , or with expansion hold fastnersincluding necessary filling up of gaps at junctions, at top,bottom and sides with required PVC/neoprene felt etc.Aluminium sections shall be smooth, rust fre straight, mitredand jointed mechanically wherever required including cleatangle,.Aluminium snap beading tor glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectturaldrawings and the directions of Engineer-in-charge.(GlazingFor fixed portionand panelling to be paid for separately	kg	86.34	354.80
9	Providing and fixing 12 mm thick prelaminated three layermedium density (exterior grade) particle board Grade I,Type II conforming to IS : 12823 bonded with phenolformaidhyde synthetic resin, of approved brand andmanufacture in panelling fixed in aluminium doors>window shutters and partition frames, with C.P.brass/stainless steel screws etc. complete as perarchitectural drawings and directions oa engineer-incharge.24.2.1 Pre-laminated particle board with decorativelamination on one side and balancing laminationof other side	sqm	5.00	1,055.50
10	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended			

	from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.			
	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	sqm	5.00	1,136.90
11	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.(Cost of aluminium snap bading shall be paid in basic item.)With glass panes of 5.50 mm thickness(weight not less thar 13.75 kg/sqm)	sqm	5.00	1,013.20
12	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	24.00	2,959.00
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	sqm	100.00	50.90
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	105	76.8
15	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	350	20.2
16	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	350	26.1
17	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	350.00	5.40
18	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete includingdisposal of rubbish to the dumping ground within 50 metres lead. With cement mortar 1:4(1 cement:4 coarse sand)	Sqm.	60.00	150.10
19	Providing and fixing flush door shulter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handlle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	10	2,750.92

20	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcementAll work putoplinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stoneaggregate 20 mm nominal size)	Cum	1.5	3881.2
21	Centring and shuttering including strutting,propping etc. and removal of form for			
22	Lintels, beams, plinth bams, griders, bressumers and contilevers.	Sqm	10	251.3
23	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- 8mm dia.	kg	40.00	74.40
24	10 mm dia	kg	30.00	73.10
25	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	15.00	184.90
26	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
27	300x10 mm	Each	15.00	114.10
28	150x10 mm	Each	5.00	66.00
29	Providing and fixing alluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	19.00	55.80
30	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	19.00	82.70
31	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete	Each	9.00	756.10
32	Ply wood 5 ply with commercial ply on both faces12 mm thick	sqm	7.00	622.62
33	Providing and fixing 20mm thick mirror polished,machine cut for kitchen platforms, vanity counters faciasand similar locatins of required size of approved shade,colour and texture laid over 20 mm thick base cementmortar 1:4 (1 cement :4 coarse sand) with joints treatedwith white cement, mixe* with matching pigament-epoxytouch ups. including rubbing, curing etx. complete at alllbevels.Granite black Area of each slab over 0.2 sqm but upto 0.5sqm Granite of any colour and shade	sqm	8	3319.1
34	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer - in -charge Granite of any colour and shade	rmt	25	239.1

35	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :Size 450x300x150 mm	Each	4.00	2,158.20
36	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid	Each	2	2953.5
37	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore	rmt	30.00	166.90
38	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
39	15 mm dia nominal bore.	Each	4	129.7
40	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	each	4.00	497.00
41	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm dia.nominal bore.	each	5.00	670.70
42	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	Each	7	81.1
43	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	7	79.3
44	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	each	5	61.8
45	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever requireWhite Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	2	2120.3
46	Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm dia	rmt	10	214.2
47	Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgfper sqm) rain water pipes conforming to IS :4985 including jointing with sealring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 75 mm dia	rmt	30	127.4
48	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
	Single pushfit coupler			
	110 mm dia PVC	each	5	181.2

	Single tee with door			
	75 x 75x 75 mm dia PVC	each	5	228.3
	110 x 110x 110 mm dia PVC	each	5	315.9
	Single tee without door			
	75 x 75x 75 mm dia PVC	each	5	203.1
	110 x 110x 110 mm dia PVC	each	5	265.5
	Band 87.5			
	75 mm dia PVC	each	5	116.5
	110 mm dia PVC	each	5	173.7
	Shoe plain			
	110 mm shoe	each	5	314.73
	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
	75 mm dia PVC	Each	20	119.8
	110 mm dia PVC	Each	20	138.65
49	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	cum	5	545.8
b	Stone Aggregate ,(156 Km From Domchch, Koderma	cum	1.5	1593.64
c	Bricks (7P+ 1K)	%o	1	476.5
d	Difference of Cost of Bricks	%o	1	1088.9
e	Difference of Cost of Cement	tonn	2	818.35

Quoted Rates:

- a- .....% above
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NOTE:-

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Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna